

Claims

1. Gripping collet (10) for grasping a thread (F) during the preparation of a woven seam, the gripping collet being arranged at the end of a draw-through gripper and having a gripping collet body (12), a pneumatic cylinder (14) with an extendable and retractable piston (25) and a first and a second clamping element, the first and the second clamping element (20, 24) being able to be clamped against each other to grasp the thread (F) using the pneumatic cylinder, characterized in that
  - the first clamping element has two cylinder surfaces at a distance from each other (20) and
  - the second clamping element has a cylinder surface (24),
  - the arrangement of the cylinder surfaces (20, 24) being such that the axes of the cylinder surfaces lie parallel to each other and essentially at right-angles to the axis of the pneumatic cylinder (14) and, in the extended state of the pneumatic cylinder (14), the cylinder surface (24) of the second clamping element lies between the two cylinder surfaces (20) of the first clamping element.
2. Gripping collet according to claim 1, the first clamping element (20) being the stationary one and the second clamping element (24) being the movable one.
3. Gripping collet according to claim 1 or 2, the pneumatic cylinder (14) working against the force of a spring (26), so that the gripping collet is opened in normal state.
4. Gripping collet according to claim 3, the gripping collet having a control device by means of which firstly the two clamping elements (20, 24) can be moved against each other by the supply of compressed gas to close the gripping collet and grasp the thread (F), secondly by interrupting the supply of compressed gas the two clamping elements (20, 24) can be moved away from each other by spring force to open

the gripping collet and release the thread and thirdly, the pressure of the compressed gas can be set so that the spring force is essentially compensated for and the two clamping elements (20, 24) press with an at most low force against a thread (F) arranged between them.

5

5. Gripping collet according to one of claims 1 to 4, with a pin (28) pointing in the direction of movement of the piston (25), which, together with the two clamping elements (20, 24) and the gripping collet body (12), surrounds a grasped thread (F) on all sides.

10